

WHAT IS CLAIMED IS:

5 1. A computer program for monitoring the performance of an application
by presenting a visual map of the underlying architectural components of the application
and the data flow between the architectural components, the computer program
comprising software configured to display a visual map having on-screen graphics
representing components and data flows of an application, and wherein at least some of
the on-screen graphics representing components having similar functionality are
organized into groups while other on-screen graphics represent the data flowing
10 between the groups, thereby providing a user with a snapshot overview of the
performance of the application.

15 2. The computer program of Claim 1, further comprising panels, each panel
being associated with one or more of the groups of on-screen graphics representing
components having similar functionality, and wherein one or more of the other on-
screen graphics represents the data flowing between the panels.

20 3. The computer program of Claim 1, wherein the on-screen graphics are
grouped within the visual map to resemble the underlying architecture of the
application.

25 4. The computer program of Claim 1, wherein the application comprises
one or more database management systems.

30 5. The computer program of Claim 1, wherein the application comprises
one or more servers.

 6. The computer program of Claim 1, wherein the application comprises
one or more operating systems.

 7. The computer program of Claim 1, wherein the application comprises
one or more input/output devices.

8. The computer program of Claim 1, wherein the application comprises one or more computer accessible storage mediums.

5 9. The computer program of Claim 1, wherein the application comprises one or more data storage arrays.

10 10. The computer program of Claim 1, wherein the application comprises one or more system servers.

11. A method of monitoring a computer program having a plurality of components, the method comprising:

grouping a plurality of performance data to form an on-screen graphic, wherein the performance data represents the performance of a plurality of program components; and

changing a graphical attribute of the on-screen graphic when a value of the group of performance data corresponds to a threshold.

12. The method of Claim 11, wherein the on-screen graphic comprises a hierarchy of graphical caution levels, and wherein the graphical attribute is changed according to the hierarchy.

13. The method of Claim 11, wherein the on-screen graphic comprises a dataflow.

14. The method of Claim 11, wherein the on-screen graphic comprises alphanumeric text or symbols.

15. The method of Claim 11, wherein the on-screen graphic comprises a panel.

16. The method of Claim 11, wherein the on-screen graphic comprises an icon.

30. The method of Claim 11, wherein the computer program comprises one or more servers.

5 31. The method of Claim 11, wherein the computer program comprises one or more operating systems.

32. The method of Claim 11, wherein the computer program comprises one or more input/output devices.

10 33. The method of Claim 11, wherein the computer program comprises one or more computer accessible storage mediums.

15 34. The method of Claim 11, wherein the computer program comprises one or more data storage arrays.

35. The method of Claim 11, wherein the computer program comprises one or more system servers.

20 36. A method of monitoring a application program having a plurality of components, the method comprising:

grouping a first plurality of performance data to form a first on-screen graphic, wherein the first performance data represents the performance of a first plurality of program components of an application program;

25 grouping a second plurality of performance data to form a second on-screen graphic, wherein the second performance data represents the performance of a second plurality of program components of the application program;

grouping the first and second on-screen graphics into a third on-screen graphic; and

30 changing a graphical attribute of one of the first and second on-screen graphics when a value of the corresponding group of performance data corresponds to a threshold.

49. The monitoring system of Claim 47, wherein the computer program comprises one or more servers.

5 50. The monitoring system of Claim 47, wherein the computer program comprises one or more operating systems.

51. The monitoring system of Claim 47, wherein the computer program comprises one or more input/output devices.

10 52. The monitoring system of Claim 47, wherein the computer program comprises one or more computer accessible storage mediums.

15 53. The monitoring system of Claim 47, wherein the computer program comprises one or more data storage arrays.

54. The monitoring system of Claim 47, wherein the computer program comprises one or more system servers.

20 55. The monitoring system of Claim 47, wherein the on-screen graphic comprises alphanumeric text or symbols.

56. The monitoring system of Claim 47, wherein the on-screen graphic comprises a dataflow.

25 57. The monitoring system of Claim 47, wherein the on-screen graphic comprises a panel.

30 58. The monitoring system of Claim 47, wherein the on-screen graphic comprises an icon.

59. The monitoring system of Claim 58, wherein the icon comprises a process icon.

60. The monitoring system of Claim 58, wherein the icon comprises a memory icon.

61. The monitoring system of Claim 58, wherein the icon comprises a disk
5 icon.

62. The monitoring system of Claim 58, wherein the icon comprises a meter icon.

10 63. The monitoring system of Claim 58, wherein the icon comprises a
rotating icon.

64. The monitoring system of Claim 58, wherein the icon comprises a timer icon.

65. The monitoring system of Claim 58, wherein the icon comprises a chart or graph icon.

66. The monitoring system of Claim 47, wherein at least one of the plurality
20 of components of the computer program comprises a process.

67. The monitoring system of Claim 47, wherein at least one of the plurality of components of the computer program comprises a flow of data within the computer program.

68. The monitoring system of Claim 47, wherein at least one of the plurality of components of the computer program comprises a memory structure.

69. The monitoring system of Claim 47, wherein at least one of the plurality
30 of components of the computer program comprises a computer accessible storage
medium.

